

HIGH-SPEED DATA SAMPLER FOR OPTICAL INTERCONNECT

ABSTRACT OF THE DISCLOSURE

A system and method for sampling a data stream generates a number of clock signals having equally spaced phases and then samples a data stream using the clock signals. The clock phases are preferably based on a predetermined fraction of a data rate frequency of the data stream, and sampling is performed based on predetermined combinations of the clock signals. While the system and method is suitable for sampling data transmitted for a wide variety of data rates, the system and method is especially well-suited to sampling at data transmitted at high rates, for example, equal to or greater than 20 Gb/s.